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Bemerkung zur DE 43 26 855 A1:

Hier werden allenfalls von einem Trichter kommende Teilstränge aufeinander geklebt. In der Ausführung mit einem Heftapparat, wird der komplette Strang eines Trichters durch den Heftapparat geführt. Ein Bypass für einen nicht zu heftenden Teilstrang des selben Trichters ist nicht vorgesehen.

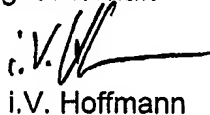
Bemerkung zur DE 43 44 362 A1:

Fig. 1 stellt lediglich mögliche Führungen für einen Strang dar. Nicht dargestellt oder offenbart sind gleichzeitig auf zwei verschiedenen Wegen geführte Teilstränge. Dies wäre auch nicht möglich, da hier keine Schneideinrichtung vorgesehen ist. Fig. 1 für sich betrachtet würde ohne die Beschreibung allenfalls eine zufällige, nicht gewollte Offenbarung für gleichzeitig geführte Teilstränge darstellen.

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Anlagen:

Ansprüche, Austauschseiten 15, 16, 19, Fassung 2004.06.08, 3fach

in beide des Falztrichters

Ansprüche

1. Strangmischvorrichtung (01) mit wenigstens einem Falztrichter (02; 03), wenigstens einem Längsschneider (07; 08) und wenigstens zwei Führungswegen, auf denen gleichzeitig jeweils ein vom selben Falztrichter (02; 03) kommender Teilstrang (27; 28) längs geschnittener Teilbahnen des Strangs (26) führbar ist, die sich an einem Ausgang der Strangmischvorrichtung (01) zu einem Hauptstrang (29) vereinigen, dadurch gekennzeichnet, dass an einem der Führungswege ein Heftapparat (17; 17') zum Heften des auf diesem Führungsweg geführten Teilstrangs (27) angeordnet ist.
2. Strangmischvorrichtung (01) nach Anspruch 1, gekennzeichnet durch wenigstens einen zweiten Falztrichter (03; 02) und einen Führungsweg zum Führen eines weiteren Strangs (24) oder Teilstrangs (27'; 28') vom zweiten Falztrichter (03; 02) zum Ausgang.
3. Strangmischvorrichtung (01) nach Anspruch 2, dadurch gekennzeichnet, dass gleichzeitig jeweils ein Teilstrang (27; 28) längs geschnittener Teilbahnen des ersten Falztrichters (02; 03) zu beiden Seiten des zweiten Falztrichters (03; 02) geführt und an einem Ausgang der Strangmischvorrichtung (01) zusammen mit dem dazwischen liegenden weiteren Strang (24) des zweiten Falztrichters (03; 02) zu einem Hauptstrang (29) vereinigt sind.
4. Strangmischvorrichtung (01) nach Anspruch 3, dadurch gekennzeichnet, dass zusätzlich an dem anderen der Führungswege der beiden Teilstränge (27; 28) und/oder dem Führungsweg des weiteren Stranges (24) ein Heftapparat (17; 17') zum Heften des auf dem betreffenden Führungsweg geführten Teilstrangs (27; 28) bzw. Stranges (24) angeordnet ist.
5. Strangmischvorrichtung (01) mit wenigstens zwei Falztrichtern (02; 03) und

von Falztrichter

wenigstens einem Längsschneider (07; 08), dadurch gekennzeichnet, dass einem ersten der Falztrichter (02; 03) mindestens zwei Führungswege zugeordnet sind, auf denen gleichzeitig jeweils ein Teilstrang (27; 28) längs geschnittener Teilbahnen des ersten Falztrichters (02; 03) zu beiden Seiten des zweiten Falztrichters (03; 02) geführt und an einem Ausgang der Strangmischvorrichtung (01) zusammen mit einem dazwischen liegenden Strang (24) des zweiten Falztrichters (03; 02) wieder zu einem Hauptstrang (29) vereinigt ist.

6. Strangmischvorrichtung (01) nach Anspruch 5, dadurch gekennzeichnet, dass an einem der Führungswege der beiden Teilstränge (27; 28) und/oder dem Führungsweg des Stranges (24) ein Heftapparat (17) zum Heften des auf dem Führungsweg geführten Teilstrangs (27; 28) bzw. Stranges (24) angeordnet ist.
7. Strangmischvorrichtung (01) mit wenigstens zwei Falztrichtern (02; 03), einem Längsschneider (07; 08) sowie zwei den Falztrichtern (02; 03) zugeordneten Heftapparaten (17; 17') in je einem Führungsweg vom zugeordneten Falztrichter (02; 03) zu einem Ausgang der Strangmischvorrichtung (01), dadurch gekennzeichnet, dass die Strangmischvorrichtung (01) mindestens eine Umlenkrolle (09; 14; 36; 37) aufweist, über welche ein Teilstrang (27; 28; 27'; 28') oder der gesamte Strang (26; 24) eines ersten der Falztrichter (02; 03) durch den dem zweiten Falztrichter (03; 02) zugeordneten Heftapparat (17'; 17) gemeinsam mit einem Teilstrang (27'; 28'; 27; 28) oder dem gesamten Strang (24; 26) dieses zweiten Falztrichters (03; 02) führbar ist.
8. Strangmischvorrichtung (01) nach Anspruch 7, dadurch gekennzeichnet, dass mindestens eine Umlenkrolle (09; 11; 14; 16) vorgesehen ist, über welche wahlweise keiner der Teilstränge (27; 28; 27'; 28'), ein Teilstrang (28) des einen Falztrichters (02), ein Teilstrang (28') des anderen Falztrichters (03) oder gleichzeitig Teilstränge (27; 28; 27'; 28') beider Falztrichter (02; 03) ohne

Falzapparat (19) einem gehefteten und einem ungehefteten Teilstrang (27; 28) zugeordnet werden.

20. Verfahren nach Anspruch 18, dadurch gekennzeichnet, dass über einen selben Falztrichter (02; 03) geführte Teilbahnen vor dem Einlauf in einen nachgeordneten Falzapparat (19) zwei verschiedenen gehefteten Teilsträngen (27; 28) zugeordnet werden.
21. Strangmischvorrichtung (01) nach Anspruch 1, 5 oder 7, dadurch gekennzeichnet, dass eine Anzahl von Bahnen des Stranges (26) beliebig auf die Teilstränge (27; 28) verteilbar sind.
22. Strangmischvorrichtung (01) nach Anspruch 21, dadurch gekennzeichnet, dass je nach Verteilung der Umfang der gehefteten Lage im Hauptstrang in Schritten von jeweils vier Seiten beliebig wählbar ist.

Translation of the pertinent portions of a response by KBA,
dtd. 06/08/2004

Responsive to the NOTIFICATION REGARDING THE FORWARDING OF
THE INTERNATIONAL SEARCH REPORT of 05/07/2004

Claims 1 and 5, amended under Art. 19 PCT, as well as
new claims 21, 22 (replacement pages 15, 16, 19, version of
06/08/2004) are being filed. The remaining claims 2 to 4
and 6 to 20 remain unchanged.

Claim 1 has been clarified by the inclusion of the
wording "on which simultaneously a respective ... coming from
the same former (02, 03)". This clarifying characteristic
can be found without a doubt in the drawing figures (the same
former) and is supported by "brought together" (simultaneous
occurrence) on page 4, penultimate paragraph.

For clarification, the terms "can be conducted" and "to
be brought together" have been replaced by "are conducted"
and "brought together" in claim 5.


New claims 21, 22 have been formed from characteristics
in the specification on page 5, penultimate paragraph. An
obvious typographical error (circumference / in steps) has
already been taken into consideration in the course of this.

Remarks Regarding DE 43 26 855 A1:

There, partial continuous webs coming from a former are
at best glued together. In the embodiment with a stapler,
the complete continuous web from a former is conducted
through the stapler. A bypass for a partial continuous web
from the same former, which is not to be stapled, is not
provided.

Remarks Regarding DE 43 44 362 A1:

Fig. 1 merely represents possible guide elements for a
continuous web. Partial continuous webs, which are
simultaneously conducted on two different paths are neither
represented nor disclosed. This would also not be possible,
since no cutting device is provided there. Fig. 1 considered
by itself, without the specification, would represent an
accidental unintended disclosure of simultaneously conducted
partial continuous webs at most.



Enclosures:

Claims, replacement pages 15, 16, 19, version of 06/08/2004,
in triplicate.

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Claims

1. A continuous web mixing device (01) with at least one former (02, 03), at least one longitudinal cutter (07, 08) and at least two guide paths, on each of which a partial continuous web (27, 28) of longitudinally cut partial webs of the continuous web (26) coming simultaneously from the same former (02, 03) can be conducted, which are united into a main continuous web (29) at an outlet of the continuous web mixing device (01), characterized in that a stapler (17, 17') is arranged at one of the guide paths for stapling the partial continuous web (27) conducted on this guide path.

2. The continuous web mixing device (01) in accordance with claim 1, characterized by at least a second former (03, 02) and a guide path for conducting a second continuous web (24) or partial continuous web (27', 28') from the second former (03, 02) to the outlet.

3. The continuous web mixing device (01) in accordance with claim 2, characterized in that respective partial continuous webs (27, 28) of longitudinally cut partial webs from the first former (02, 03) are simultaneously conducted along both sides of the second former (03, 02) and are united at an outlet of the continuous web mixing device (01) with the further continuous web (24) from the second former (03, 02) located between them to form a main continuous web (29).

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4. The continuous web mixing device (01) in accordance with claim 3, characterized in that in addition a stapler (17, 17') for stapling the partial continuous web (27, 28) or continuous web (24) conducted on the respective guide path is arranged at the other one of the guide paths for the two partial continuous webs (27, 28) and/or the guide path for the further continuous web (24).

5. A continuous web mixing device (01) with at least

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one former (02, 03) and at least one longitudinal cutter (07, 08), characterized in that at least two guide paths are assigned to a first one of the formers (02, 03), on which respective partial continuous webs (27, 28) of longitudinally cut partial webs from the first former (02, 03) are simultaneously conducted along both sides of the second former (03, 02) and are united at an outlet of the continuous web mixing device (01) together with a further continuous web (24) from the second former (03, 02) located between them to form a main continuous web (29).

6. The continuous web mixing device (01) in accordance with claim 5, characterized in that a stapler (17) for stapling the partial continuous web (27, 28), or the continuous web (24) is arranged on one of the guide paths for the two partial continuous webs (27, 28) and/or the guide path for the continuous web (24).

7. A continuous web mixing device (01) with at least two formers (02, 03), as well as two staplers (17, 17') assigned to the formers (02, 03) in respectively one guide path from the assigned former (02, 03) to an outlet of the continuous web mixing device (01), characterized in that the continuous web mixing device (01) has at least one deflection roller (09, 14, 36, 37), over which a partial continuous web (27, 28, 27', 28'), or the entire continuous web (26, 24) from a first one of the formers (02, 03) can be conducted through the stapler (17', 17) assigned to the second former (03, 02) together with a partial continuous web (27', 28',

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27, 28) or the entire continuous web (24, 26) from this second former (03, 02).

8. The continuous web mixing device (01) in accordance with claim 7, characterized in that at least one deflection roller (09, 14, 36, 37) is provided, over which selectively none of the partial continuous webs (27, 28, 27', 28'), a partial continuous web (28) from the one former (02), a partial continuous web (28') from the other former (03), or simultaneously partial continuous webs (27, 28, 27', 28')

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partial continuous web (27, 28) prior to entering a downstream located folding apparatus (19).

20. The method in accordance with claim 18, characterized in that partial webs conducted over the same former (02, 03) are assigned to two different stapled partial continuous webs (27, 28) prior to entering a downstream located folding apparatus (19).

21. The continuous web mixing device in accordance with claim 1, 5 or 7, characterized in that a number of webs of the continuous web (26) can be divided as desired on the partial continuous webs (27, 28).

22. The continuous web mixing device in accordance with claim 21, characterized in that depending on the distribution, the size of the stapled layer in the main continuous web can be selected as desired in steps of respectively four pages.

AMENDED CLAIMS

[received by the International Office on June 17, 2004
(06/17/2004);

Original claims 1 and 5 amended
new claims 21 and 22 added;
(3 pages)

Claims

1. A continuous web mixing device (01) with at least one former (02, 03), at least one longitudinal cutter (07, 08) and at least two guide paths, on each of which a partial continuous web (27, 28) of longitudinally cut partial webs of the continuous web (26) coming simultaneously from the same former (02.03) can be conducted, which are united into a main continuous web (29) at an outlet of the continuous web mixing device (01), characterized in that a stapler (17, 17') is arranged at one of the guide paths for stapling the partial continuous web (27) conducted on this guide path.

2. The continuous web mixing device (01) in accordance with claim 1, characterized by at least a second former (03, 02) and a guide path for conducting a second continuous web (24) or partial continuous web (27', 28') from the second former (03, 02) to the outlet.

AMENDED PAGE (ARTICLE 19)

3. The continuous web mixing device (01) in accordance with claim 2, characterized in that respective partial continuous webs (27, 28) of longitudinally cut partial webs from the first former (02, 03) are simultaneously conducted along both sides of the second former (03, 02) and are united at an outlet of the continuous web mixing device (01) with the further continuous web (24) from the second former (03, 02) located between them to form a main continuous web (29).

4. The continuous web mixing device (01) in accordance with claim 3, characterized in that in addition a stapler (17, 17') for stapling the partial continuous web (27, 28) or continuous web (24) conducted on the respective guide path is arranged at the other one of the guide paths for the two partial continuous webs (27, 28) and/or the guide path for the further continuous web (24).

5. A continuous web mixing device (01) with at least

one former (02, 03) and at least one longitudinal cutter (07, 08), characterized in that at least two guide paths are assigned to a first one of the formers (02, 03), on which respective partial continuous webs (27, 28) of longitudinally cut partial webs from the first former (02, 03) are simultaneously conducted along both sides of the second former (03, 02) and are united at an outlet of the continuous web mixing device (01) together with a further continuous web (24) from the second former (03, 02) located between them to form a main continuous web (29).

6. The continuous web mixing device (01) in accordance with claim 5, characterized in that a stapler (17) for stapling the partial continuous web (27, 28), or the continuous web (24) is arranged on one of the guide paths for the two partial continuous webs (27, 28) and/or the guide path for the continuous web (24).

7. A continuous web mixing device (01) with at least two formers (02, 03), as well as two staplers (17, 17') assigned to the formers (02, 03) in respectively one guide path from the assigned former (02, 03) to an outlet of the continuous web mixing device (01), characterized in that the continuous web mixing device (01) has at least one deflection roller (09, 14, 36, 37), over which a partial continuous web (27, 28, 27', 28'), or the entire continuous web (26, 24) from a first one of the formers (02, 03) can be conducted

through the stapler (17', 17) assigned to the second former (03, 02) together with a partial continuous web (27', 28', 27, 28) or the entire continuous web (24, 26) from this second former (03, 02).

8. The continuous web mixing device (01) in accordance with claim 7, characterized in that at least one deflection roller (09, 14, 36, 37) is provided, over which selectively none of the partial continuous webs (27, 28, 27', 28'), a partial continuous web (28) from the one former (02), a partial continuous web (28') from the other former (03), or simultaneously partial continuous webs (27, 28, 27', 28')

partial continuous web (27, 28) prior to entering a downstream located folding apparatus (19).

20. The method in accordance with claim 18, characterized in that partial webs conducted over the same former (02, 03) are assigned to two different stapled partial continuous webs (27, 28) prior to entering a downstream located folding apparatus (19).

21. The continuous web mixing device in accordance with claim 1, 5 or 7, characterized in that a number of webs of the continuous web (26) can be divided as desired on the partial continuous webs (27, 28).

22. The continuous web mixing device in accordance with claim 21, characterized in that depending on the distribution, the size of the stapled layer in the main continuous web can be selected as desired in steps of respectively four pages.